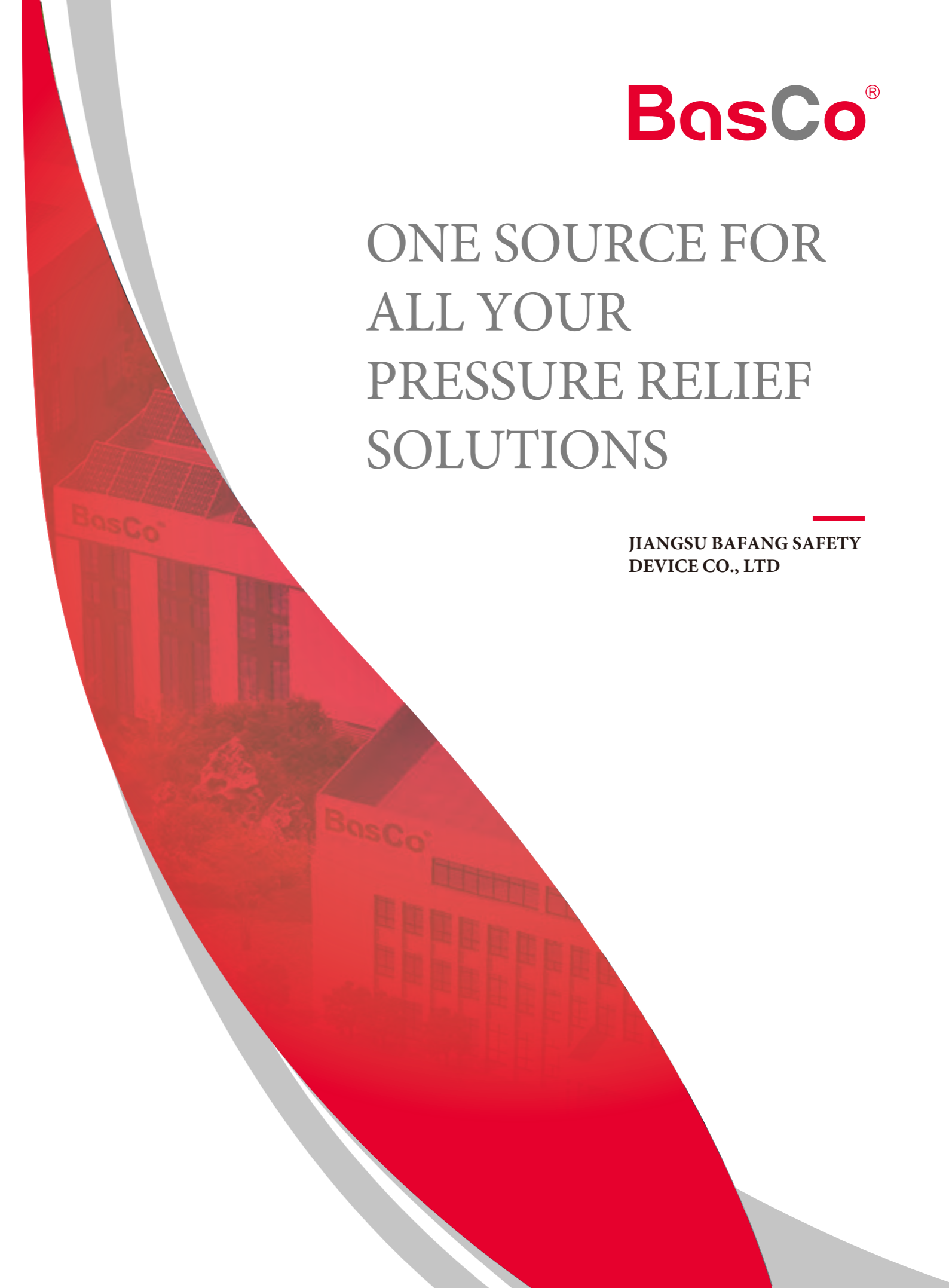


revitalizing the country by relying
on science and technology;
innovative development

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SOLUTIONS

JIANGSU BAFANG SAFETY
DEVICE CO., LTD



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Near-perfect quality control system, commitment to continuous improvement, enabling management, safe working environment, pursuit of excellence in operations.

Company

Introduction

Jiangsu Bafang Sayfty Device Co.Ltd.(Registered as 'BasCo') is committed to finding pressure relief solutions for our customers that maximize their productivity and performance while keeping them safe.

> The main products include flame arrestors, rupture discs, dust explosion venting device, safety relief valves, breather valves, emergency relief valves, blanketing valves, buckling pin valves, etc.



The brand BasCo[®] is built on the basis of safety and excellent quality, driving the profit by the customers' satisfaction for performance, personalized solutions and reliability, aimed at providing users' personalized innovative solutions that meet and exceed operational needs.

- Customized personalized safety relief solution can protect the safety and machinery equipment.
- Reliable one-stop service ensure the supply chain security of users continuously.
- Help users to cope with pressure management challenges by unique design and certification of the professional institutions.

BasCo Values



Customer-
centric



Enabling management



Diversity and
inclusiveness



Challenge the
status quo



Win-win
cooperation



BasCo Certification and standard

Certification

Special equipment of flame arrester manufacturing license
Special equipment of rupture disc manufacturing license
Special equipment of safety valves manufacturing license
Flame Arrestors ATEX certification
Flame Arrestors CCS certification
Rupture Disc Device ASME certification
Rupture Disc Device NB certification
Rupture Disc Device PED certification

FPB Breather Valves ATEX certification
Breather Valves CCS certification
Breather Valves ATEX certification
Emergency Relief Valves ATEX certification
Buckling Pin Valves ASME certification
Buckling Pin Valves NB certification
Explosion Vents ATEX certification
Flameless Relief Device ATEX certification

Coedit Standard

GB/T 36588-2018 *General Data of Overpressure Protection Safety Device*

GB/T 38599-2020 *Combination of Safety Valve and Rupture Disc Device*

NB/T 10355-2019 *Tube Bundle Container*

SH/T 3413-2019 *Standard for Selection, Inspection and Acceptance of Flame Arresters for Petrochemical and Petroleum Gas Pipelines*

GB/T 12241-2021 *General Requirements for Safety Valves*

GB/T 12242-2021 *Test Method for Performance of Pressure Relief Device*

GB/T 12243-2021 *Spring-loaded Safety Valve*

GB/T 40011-2021 *Low Temperature Pilot Safety Valve*

JB/T 14254-2022 *Buckling Pin Valve*



Company History

2002

1. Establishment of Xuzhou Bafang Safety device.,Ltd (BasCo®)

2013

1. Obtain the manufacturing license of rupture disc special equipment
2. Establishment of rupture disc and flame arrester test center

2015

1. Obtain the powder explosion-proof certificate of Northeast University

2016

1. The rupture disc has obtained ASME and NB certification of the United States and DNV certification.

2017

1. Powder explosion-proof equipment has obtained European CE certification, certified by Shenyang Special Inspection Institute.
2. The rupture disc has obtained European CE certification.

2018

1. Obtained German IBExU flame arrester ATEX certification
2. Participated and issued the draft of the national standard *General Data for Overpressure Protection and Safety Devices* (GB/T 36588-2008)

2019

1. The flame arrester has obtained the Qingdao Institute of Safety and Technology.
2. Participated and issued the draft of *Standard for Selection, Inspection and Acceptance of Flame Arresters for Petrochemical and Petroleum Gas Pipelines* (SH/T 3413-2019)

2020

1. Production License of Special Equipment of Flame Arresters
2. Production License of Special Equipment of Safety Valves
3. The flame arrester has obtained the certification of the Shenyang Special Inspection Institute.
4. The powder explosion-proof equipment has obtained the TEX certification.
5. The Technical Center for Safety Relief Device and Explosion-proof Device was approved to be established.
6. The combination of *safety valve and bursting disc device* (GB/T 38599-2020) that participated in the drafting was issued.
7. The "Jiangsu Graduate Workstation" jointly applied by China University of Mining and Technology was approved.

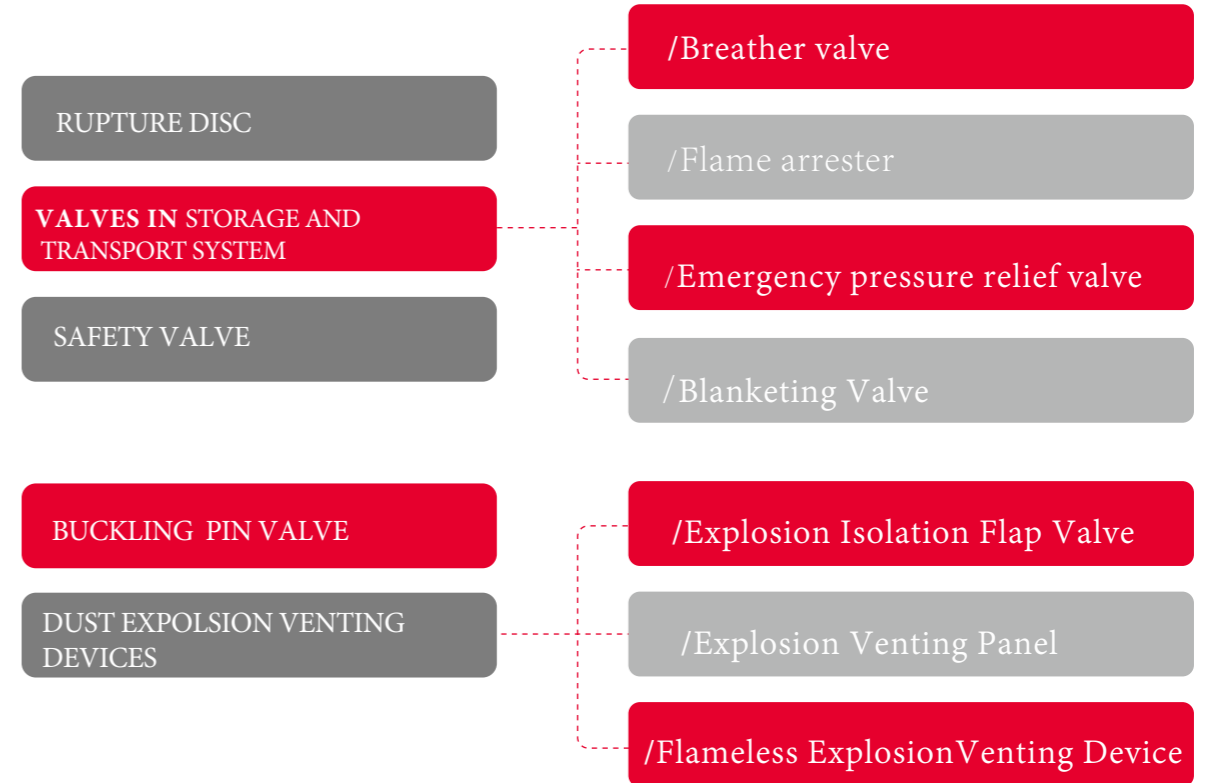
2022

- Officially renamed
Jiangsu Bafang Safety Equipment Co., Ltd

Partial Certificates



Product System



Rupture Disc

Bursting disc is a non-reclosed pressure relief device that can instantly burst and release media under the setting bursting pressure and temperature. It can realize pressure relief for specific pressure value in various applications, which can prevent overpressure or vacuum to protect personnel environment and equipment safety.

-  "0 leakage" relief instantly Simple maintenance
-  low cost be used for corrosion conditions



01

BasCo provides a full range of Rupture disc products, which have obtained China's special equipment manufacturing license, American ASME, NB certification, European CE certification and other qualification certificates. It complies with GB/T 567, ASME VIII, API 520, ISO4126 and other domestic and foreign standards. According to the actual working conditions of users, Basco can provide safe and reliable personalized solutions and products.

02

Basco Rupture Disc Series

Forward Acting Rupture Disc	Reverse Acting Rupture Disc	Nonmetal Rupture Disc	Graphite rupture disc
-----------------------------	-----------------------------	-----------------------	-----------------------

Basco Rupture Disc Application

Rupture Disc for Tank	Sanitary Rupture Disc	Bi-directional Rupture Disc	Special Explosion Vent
Bolt Type Rupture Disc	Buckling Rod Rupture disc	Special Purpose Rupture Disc	...

Basco Appendix

- Rupture Disc Holder
- Leakage Device
- BI Warning Indicator

03

BasCo


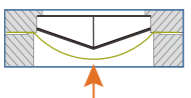







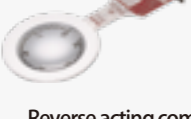




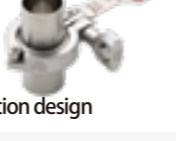



Contact us for more product information.




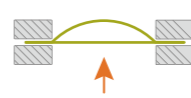







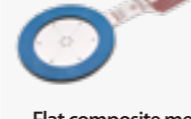
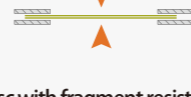
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Reverse Acting (Compression-Loaded) Metal Rupture Disc


Type	Flow	Sizes mm	Pressures barg	SOR	VSR	Holder	Service
YD 		mm 25-600	barg 0.5-150	90%	no	YDJA 	Gas or Liquid
Reverse acting solid metal, knife blade in outlet of Holder and non-fragmentation design.							
YE 		mm 25-600	barg 0.21-50	90%	no	YJA 	Gas
Reverse acting solid metal with crocodile tooth, non-fragmentation design.							
YC 		mm 25-600	barg 2-70	90%	no	YJA 	Gas
Reverse acting solid metal with cross-scored, non-fragmentation design.							
YF 		mm 25-600	barg 0.15-70	90%	no	YJA 	Gas or Liquid
Reverse acting composite metal, non-fragmentation design.							
YFW 		mm 25-600	barg 0.5-20	90%	no		Gas or Liquid
Reverse acting composite metal, with FDA gasket, applied in food and sanitary system, non-fragmentation design							
YDC 		mm 80-300	barg 1" 水柱 -10.335	85%	yes		Gas or Liquid
Ultra-Low pressure/Two-way rupture disc with fragment resistant design, preventing over pressure or vacuum in storage tanks							

Forward Acting (Tension-Loaded) Metal Rupture Disc

Type	Flow	Sizes mm	Pressures barg	SOR	VSR	Holder	Service
LP 		mm 3-600	barg 0.1-5000	70%	yes	LJA 	Gas or Liquid
Forward acting conventional solid metal disc with fragment resistant design.							
LF 		mm 15-1100	barg 0.02-200	80%	yes	LJA 	Liquid or Gas or solid
Forward acting composite metal disc with fragment resistant design.							
LC 		mm 20-600	barg 1-250	85%	no	LJA 	Gas or Liquid
Forward acting solid metal with cross-scored, non-fragmentation design.							
PF 		mm 25-1200	barg 0.02-100	50%	yes	Mounts directly between Flanges	Gas or Liquid
Flat composite metal disc with fragment resistant design.							

Nonmetal Rupture Disc

Type	Flow	Size mm	Pressure barg	SOR	VSR	Holder	Service
PM 		mm 25-600	barg 0.05-10	80%	yes	Mounts directly between standard ANSI & DIN Flanges	Gas or Liquid
Graphite rupture disc, highly corrosive applications.							
PVC rupture disc 		mm 25-1200	barg 0.05-10	80%	yes	Mounts directly between standard ANSI & DIN Flanges	Gas or Liquid
Mainly in RO pressure vessels or piping systems.							

 Contact us for more customized products.

valves in Storage and Transport system



01 Storage and Transport system valves mainly includes: flame arrester, breather valve, emergency pressure relief valve, blanketing valve etc. They can be used alone or in combination.



Flame Arrester

The flame arrester is a safety device installed in the outlet or pipeline of the storage tank, which allows the medium to flow and can prevent the flame from passing through. It can be used to block flashback in scenarios with potential ignition sources such as storage tanks or equipment connecting pipes to prevent fire and explosion accidents of fuel gas system.



Breather valve

Breather valve is a kind of valve that can not only ensure the sealing of the storage tank within a certain pressure range, but also release the pressure or inhale gas in case of overpressure or vacuum. To protect the safety device of the tank, reduce medium loss and environmental pollution, it can be used to adjust pressure balance and prevent medium leakage in atmospheric storage tanks and pipelines.



Emergency Relief Valve

The emergency relief valve is a safety device that can provide emergency protection for the storage tank, for example, the storage tank is in a fire condition or the breather valve cannot cope with the sudden overpressure or vacuum condition. It can be used for large-flow pressure relief in atmospheric storage tanks and other scenarios, as an entrance and exit for personnel, to protect the safety of containers and facilitate maintenance.



Blanketing Valve

Blanketing Valve is a safety device that provides inert gas (nitrogen) protection for the storage tank to maintain the non-flammable environment and maintain the normal working pressure of the storage tank. To protect the equipment safety and reduce production losses, it can be used to balance the pressure in the container, reduce the evaporation of the medium, prevent the pollution of the medium in the atmospheric storage tank and other scenarios.

02

Breather Valve Series / End-of-Line Breather Valve, In-Line Breather Valve, Pressure Relief Valve, Vacuum Relief Valve, Pilot-operated Breather Valve, PVRV with Integrated Flame Arrester

Flame Arrester Series / End-of-Line Flame Arrester, In-Line Deflagration Flame Arrester, In-Line Detonation Flame Arrester, Unstable Detonation Flame Arrester

Emergency Relief Valve Series / Emergency Pressure Relief Valve, Emergency Pressure Vacuum Relief Valve

Blanketing Valve

03

These valve products are non-standard equipment, which need to be customized according to the actual working conditions, taking many parameters into account to ensure the using effects. BasCo provides a full range of storage and transportation system valves, which has obtained third-party type, quality system certification and a complete testing system. According to the actual working conditions of users, Basco can provide safe and reliable personalized solutions and products.



Contact us for more certification information



6100 End-of-Line Flame Arrestor

Size Available: 1" (25mm)-40" (1000mm)
 Features: Maximum flow, Less pressure Drop, Easy Cleaning, Less Clogging

6100 End-of-Line Flame Arrestors are designed to provide free venting and flame protection for vertical vent applications.



6200 In-Line Deflagration Flame Arrestor

Size Available: 1" (25mm)-40" (1000mm)
 Features: Less pressure drop, Less Clogging, Less Maintenance, Easy Cleaning, Maximum flow

BasCo In-Line Deflagration Flame Arrestor is used near the end of line or in the distance of 50D.



5300 Pressure Relief Valve

Size Available: 1.5" (40mm)-12" (300mm)
 Features: Dual guide rail valve system reduces valve wear and allowable leakage, which is far lower than API2000, easy to replace valve core and valve seat on site.



5500 Pilot-operated Breather Valve

Size Available: 2" (50mm)-12" (300mm)
 Features: With high sealing, the valve can be fully opened when it reaches the set pressure.

Temperature application range - 180 °C - 206 °C



6400 Detonation Flame Arrestor

Size Available: 1" (25mm)-40" (1000mm)
 Features: Less Clogging, Less Maintenance, Easy Cleaning, Maximum flow

They provide protection against flame propagation in piping systems that are manifolded or have long run-up distances.



6500 Unstable Detonation Flame Arrestor

Size Available: 1" (25mm)-40" (1000mm)
 Features: Less Clogging, Less Maintenance, Easy Cleaning, Maximum flow

Model 6500 is designed for unrestricted unstable detonation.



5620 PVRV with Integrated Flame Arrestor

Size Available: 2" (50mm)-12" (300mm)
 Features: The combination of fire resistance and respiratory function provides overpressure and vacuum protection. At the same time, it can prevent flame propagation. Large ventilation and small leakage; High sealing performance; Convenient replacement of valve core and valve seat on site.



5800 In-Line PVRV with Integrated Flame Arrestor

Size Available: 16" (400mm)-24" (600mm)
 Features: Stainless steel and FEP for valve seat and trim, with resistance to corrosion 10% overpressure to full lift.



5100 End-of-Line Pressure Vacuum Relief Valve

Size Available: 1.5" (40mm)-12" (300mm)
 Features: Dual guide system provides for smoother valve stroke, less flutter and valve wear.

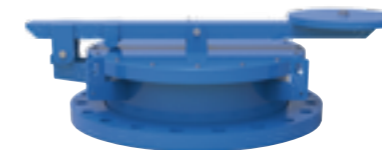
For the allowable leakage, it exceeds the most stringent standard and ensures a very high setting accuracy ($\pm 3\%$) 10% overpressure to full lift.



5200 In-Line Breather Valve

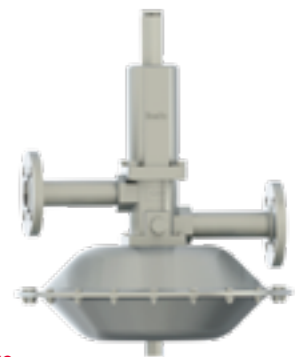
Size Available: 1.5" (40mm)-12" (300mm)
 Features: Dual guide system provides for smoother valve stroke, less flutter and valve wear.

Exceeds the most stringent standards for allowable leakage (far less than API2000 standard) and provides excellent set point accuracy ($\pm 3\%$).



7100 Emergency Pressure Relief Valve

Size Available: 16" (400mm)-24" (600mm)
 Features: The use of advanced sealing technology for a permissible leakage superior to API 2000, Pressure Set Point accuracy ($\pm 3\%$) is guaranteed.



8100 Blanketing Valve

Size Available: 1/2", 1"
 Features: Effective operation with Nitrogen Supply pressure from 10PSIG to 200PSIG, Standard NPT inlet and outlet ANSI150lb.or 300lb Flange connection, Supply line filter option is available

Explosion Venting Devices

When combustible dust, ignition source and oxygen collide in a narrow space, it will cause explosion. Preventive explosion safety measures are designed to prevent the generation of this mixture. However, the existence of a large number of potential ignition sources in actual working conditions makes this idea almost impossible to achieve. Therefore, in practice, protective safety measures are mainly taken to minimize the damage caused by explosion. In most cases, the purpose of reducing losses can be achieved economically and efficiently by means of explosion-proof and flameproof equipment.

At present, the main flameproof and explosion-proof equipments include: Explosion-proof valve, Explosion Vents, flameless Explosion Venting Device, etc

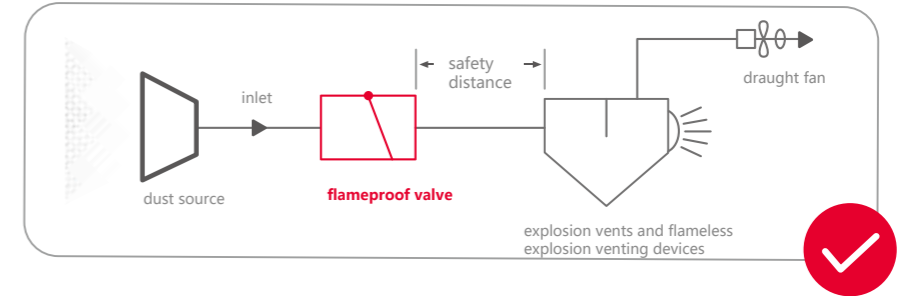


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Explosion Venting Devices Typical Application Examples:

Explosion Venting Devices can be combined in the dust removal system.

In case of explosion in the dust collector, the pressure wave can be released and the flame propagation can be prevented by using the flameless relief device with the explosion vent, so as to effectively prevent the dust collector damage. Explosion-proof valve is used to prevent the propagation of explosive gas flow and flame, so that it can prevent the secondary explosion of dust source and the propagation of explosion.



01

This type of product is non-standard equipment, which need to be customized according to the actual working conditions, taking many parameters into account to ensure the using effects. BasCo provides a full range of storage and transportation system valves, which has obtained third-party type, quality system certification and a complete testing system. According to the actual working conditions of users, Basco can provide safe and reliable personalized solutions and products.



Contact us for more certification information

BasCo Explosion Vents

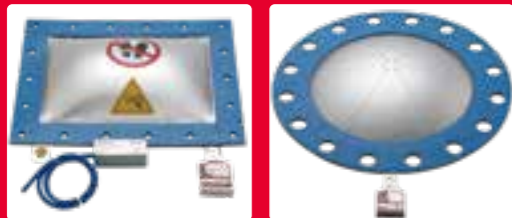
The explosion vent is a non-reclosed safety pressure relief device that breaks and opens the pressure relief inlet under a certain static opening pressure. It can be used for powder explosion pressure relief in dust remover, silo, pipeline and other scenes to protect equipment safety and reduce losses. It can be directly discharged without affecting personnel equipment that applied to outdoor equipment.



ELS Explosion Vent



EPS Explosion Vent



EL Explosion Vent



PE Explosion Vent

- Standard Materials: SS/PTFE/SS
- satisfy the applications of food processing
- Operating Ratio: PF 50%, LF type 80%
- Professional customization according to technical parameters of user equipment can be designed.

Burst Pressure Tolerance

Relieving Pressure	Tolerance
0.01-01 barg	±0.017 barg
0.1-1 barg	±0.034 barg

BasCo Flameless Explosion Venting Device

It is mainly used for the protection of dust explosions and it can effectively prevent the huge loss caused by dust secondary explosions. Flameless relief device can be used for the protection of indoor or outdoor dust explosion, without other operating costs, easy installation, and no pressure relief pipe is needed.

Technical Features

- Material: carbon steel shell + stainless steel mesh
- Square, rectangular and round configurations are available
- Burst ratings from 0.1 thru 1 barg
- Mount into standard flanges



Flameless Explosion Venting Device (circle)



Flameless Explosion Venting Device (sector)

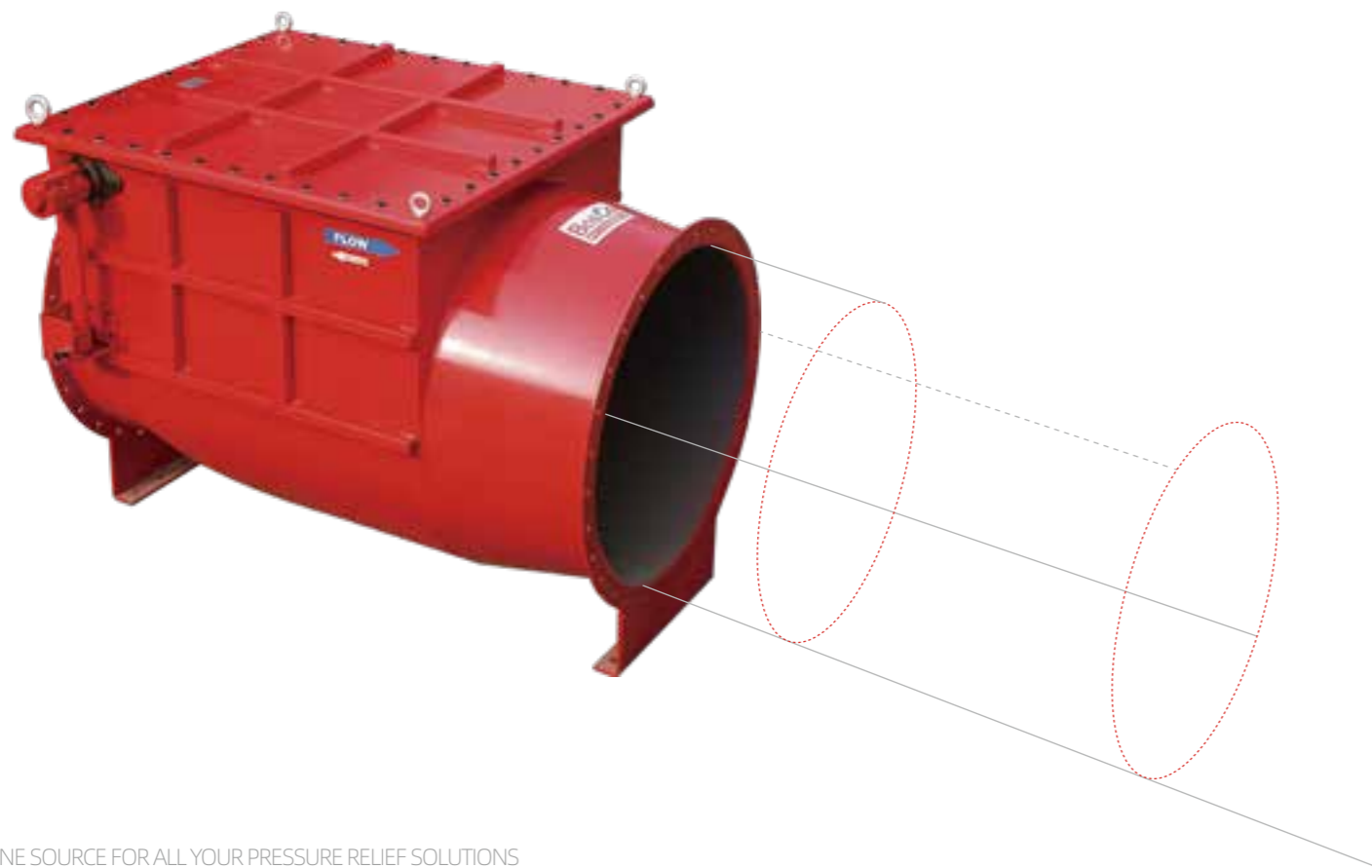
BasCo One-way Explosion Isolation Flap valve

The flameproof valve is a passive flameproof device that keeps normally open during normal operation. When the air flow is reversed due to dust explosion, the valve disc is closed under the action of shock wave and kept for a long enough time to avoid flame propagation. It can be used to prevent secondary explosion or multiple explosions in the dust collector pipeline, silo pipeline and other scenes to reduce the loss caused by explosion.

Maintenance and material

- Reasonable structure design, less pressure loss.
- The pipeline needs to be removed for on-site maintenance.
- It is not necessary to disassemble the interface to complete the replacement of the bursting disc and the cleaning valve disc
- closing alarm device of the fire arresting element.
- Disc impact protection device.
- Reserved injection hole.
- The type and specification can be customized.

Product Drawing



BasCo Two-way Explosion Isolation Flap valve

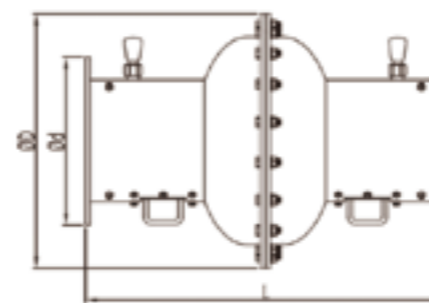
The two-way flameproof valve push the floating ball using the shock wave generated by the explosion and block the flame and shock wave generated by the explosion. It is often used for the explosion isolation at the clean air outlet side of the cleaner with explosion source, trace dust delivery and dust collector on both sides. It can be used to prevent secondary explosion or multiple explosions in the dust collector pipeline, silo pipeline and other scenes to reduce the loss caused by explosion.

Technical Features

- Size Available: DN100-DN600 will
- not produce toxic and harmful substances when triggered. The type and specification can be customized.
- Simple maintenance and quick reset.
- Good internal aerodynamic structure and smooth internal surface

Product Drawing

Structure Drawing



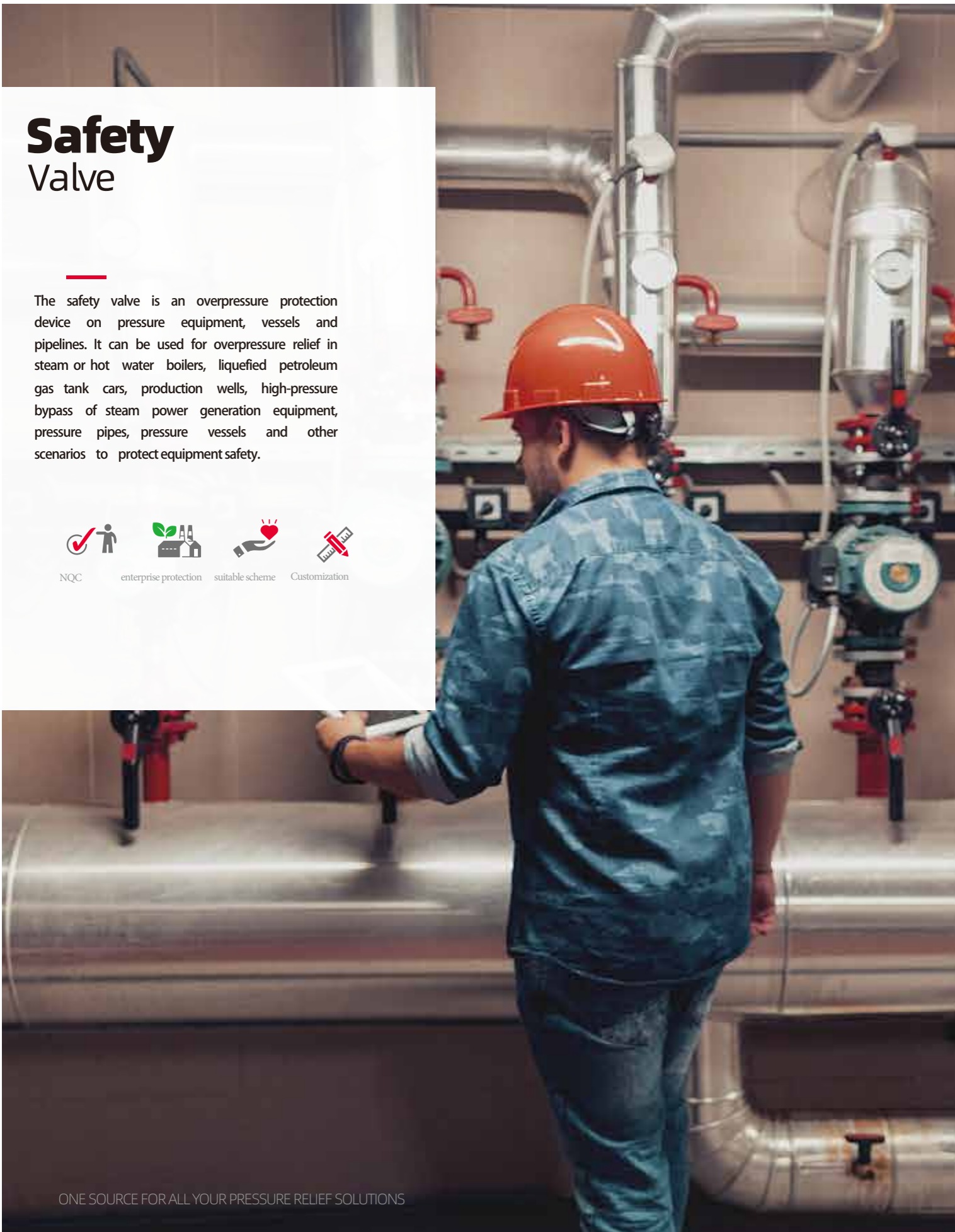
Static state



agent flow state



explosion off state



Safety Valve

The safety valve is an overpressure protection device on pressure equipment, vessels and pipelines. It can be used for overpressure relief in steam or hot water boilers, liquefied petroleum gas tank cars, production wells, high-pressure bypass of steam power generation equipment, pressure pipes, pressure vessels and other scenarios to protect equipment safety.

- 
 NQC
- 
 enterprise protection
- 
 suitable scheme
- 
 Customization

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01

At present, the main safety valve equipment includes conventional safety valve, compact safety valve, pilot safety valve and bellows balanced safety valve.

The safety valve is non-standard equipment, which needs to be customized according to the actual working conditions, and many parameters are considered to ensure the using effect. BasCo® provides a full range of safety valves and has obtained the manufacturing license for special equipment of safety valves, which can provide users with safe and reliable personalized solutions and products.

02

There are some certificates .

Contact us for more certification information.



03

BasCo Safety Valves



Thread Type A21-15



NS A42-18



NS A48-21.1



NS A48-21.1

Buckling Pin Valve



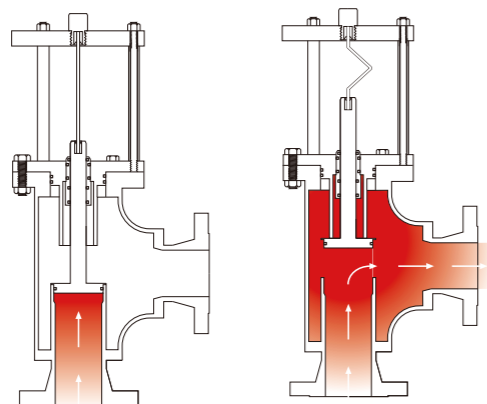
01 Rupture pin valve, also known as bursting pin valve, buckling pin valve and bursting pin valve, is a non-reclosing safety relief device.

As a revolutionary new type of safety relief equipment, the buckling pin valve can replace the traditional equipment such as rupture disc to play a better role in many scenarios, and can also be used to solve many problems that are difficult to be solved by traditional equipment. Therefore, it can play a huge role in chemical industry, metallurgy, oil and gas production, food processing, pipeline transportation, pulp and paper making, drilling (mud pump pressure relief), flare system, light industry, nuclear power, dust removal, fire protection, aviation and other fields!

02 The buckling pin valve is a non-standard equipment, which needs to be customized according to the actual working conditions. Taking many parameters into account to ensure the using effect.

BasCo, as the drafting unit of the buckling pin valve standard, began to promote this revolutionary pressure relief equipment in China in 2008. BasCo has a complete product system of buckling pin valve, which has obtained third-party type and quality system certification, and can provide users with safe and reliable personalized solutions and products.

03 Schematic diagram



03

Buckling Pin Valve Series

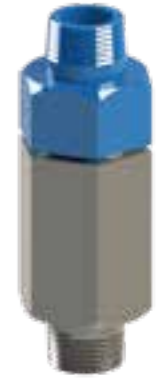
BasCo Buckling Pin Valve		
9100 Angle pin valve	9400 Straight pin valve	9700 Special pin valve
9200 Small-sized pin valve	9500 Low-pressure bi-directional pin valve	9800 Heavy calibre pin valve
9300 Emergency relief pin valve	9600 High pressure pin valve	9900 Emergency off pin valve



9100series Angle pin valve
Size 1inch—40inch
Pressure 10 Kpa—2 Mpa



9180series Angle pin valve
Size 1inch—40inch
Pressure 10 Kpa—2 Mpa



9200series Small-sized pin valve
Size 4ft—1inch
Pressure 1 Mpa—33 Mpa



9300series Emergency relief pin valve
Size 1inch—40inch
Pressure 10 Kpa—2 Mpa



9800series Buckling Pin Relief Valve
Size 3inch—80inch
Pressure 3.5 Kpa—16 Mpa

Applications and Solutions



Application and Case

Bursting disc is a pressure relief element with single-layer or multi-layer diaphragm structure, which can determine the bursting point and be realized in a variety of applications. For the pressure relief of specific pressure value, it can protect the container and pipeline from accidental overpressure damage.

need more, contact us.

Application (Some stress scenarios)



Chemical products industry

Large chemical reactor, heat exchanger, separator



Oil/gas industry

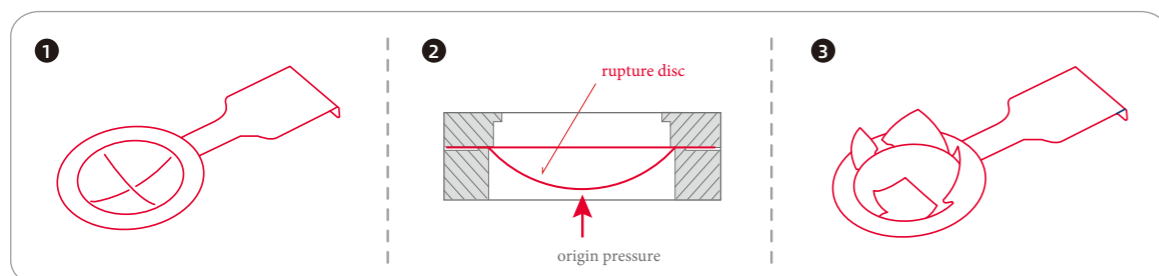
Deepwater casing, drill pipe testing, completion tools, pumping process, transportation process, storage process packer and anchor, sucker rod pump, progressive cavity pump, oil well top, oil refining process, drilling



Food processing industry

Fermentation tank, heat exchanger, separator, low-temperature container

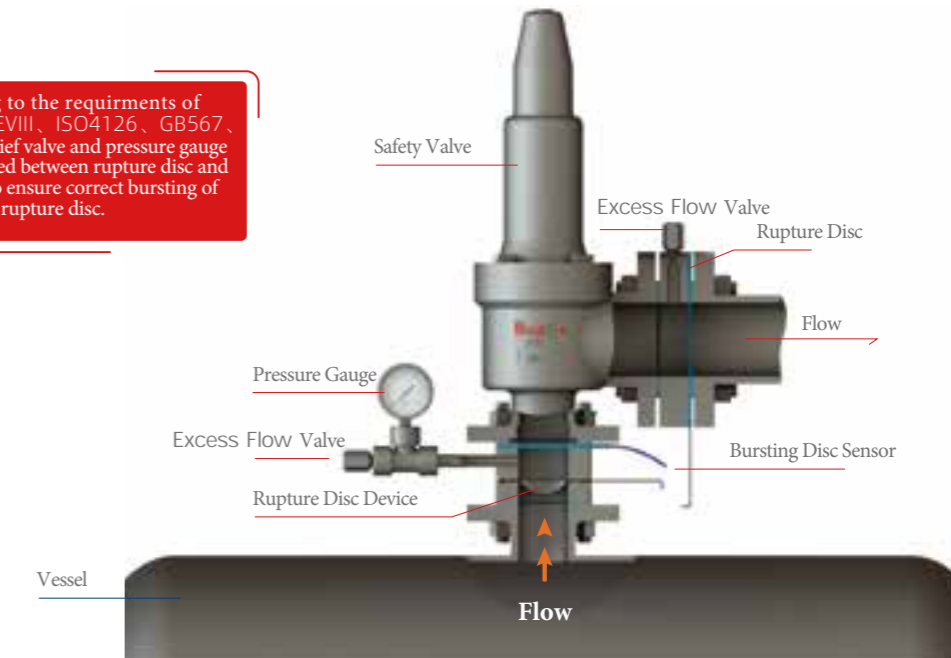
Rupture Disc Relief Principal



Rupture Disc in Combination with Safety Relief Valve

The feature of zero leakage of rupture disc can effectively isolate the medium, reduce the material requirements of safety valve, extend the service life of safety valve, thus reduce the use cost of safety valve.

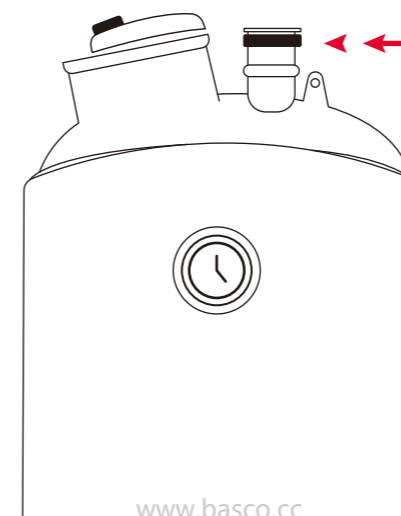
According to the requirements of API520, ASME VIII, ISO4126, GB567, GB38599, relief valve and pressure gauge must be installed between rupture disc and safety valve to ensure correct bursting of rupture disc.



Application — Fermentation tank

Industrial fermentation tank is an important equipment in the food and beverage processing industry. It is necessary to clean and disinfect the fermentation tank frequently to ensure the sanitary requirements of the product.

These cleaning processes usually lead to very high temperatures, which increase the pressure in the container. When the temperature drops sharply, vacuum conditions will be generated. The bursting disc can effectively prevent pressure fluctuation from damaging the tank during these processes.



Storage and transport System valve



Petrochemical storage tank

Dome roof storage tank
Underground storage tank,
Horizontal storage tank
Oil and gas collection and treatment on the roof of multiple dome roof tanks



Combustion and Torch system

Incinerator feed pipe
Elevated or ground flare, emergency evacuation
Gas phase outlet of storage tank and top of gas storage tank



Shipbuilding/offshore platforms and handling systems

Inland dangerous chemicals ship
Oil tanker bunker and unloading system
Drilling platform production, storage and unloading system
Replacement/recovery pipeline of train and tanker



Biogas system, sewage treatment landfill gas system

Tank top and gas phase pipeline, desulfurization device
Vent pipeline and emergency vent of gas tank



Chemical and pharmaceutical chemicals

Combustible liquid storage tank
Incinerator, Zone 0 fan or vacuum pump, heavy oil, residual oil and asphalt storage tank, industrial



Mixer and process container

Low temperature storage tank
Propylene storage tank and ethylene storage tank
Liquid oxygen, liquid nitrogen and liquid argon storage tanks
Liquid ammonia storage tanks, liquefied natural gas storage tanks



Flame arresters for integrated equipment components

Zone 0 fan system
Zone 0 vacuum pump system

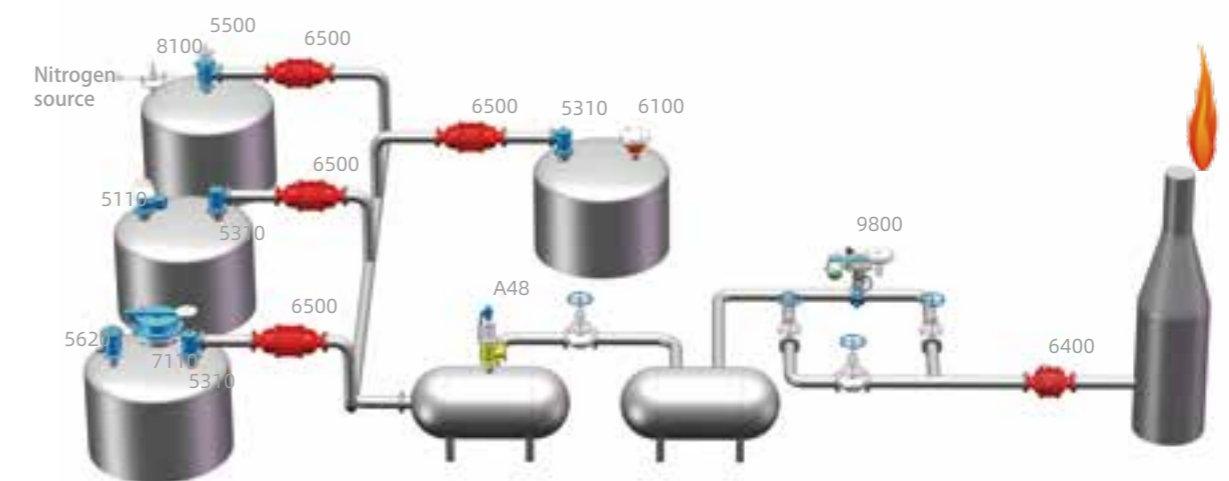
Storage Tank

- Used for storage tank: pressure relief valve, fire arresting breather valve, emergency relief valve, blanketing valve, fire arrestor.



Enclosed Ground Flare System

- The application of breather valve, flame-resistant breather valve, emergency relief valve, blanketing valve, end-of-line flame arrester, deflagration and detonation arrestor, safety valve, buckling pin valve, etc. in Enclosed Ground Flare system.



Protective Equipment



Chemical products industry

Dust collector, cyclone separator, flash dryer, conveyor



Food processing industry

Mixer and agitator, dust collector, cyclone separator, flash dryer, conveyor



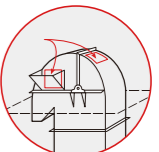
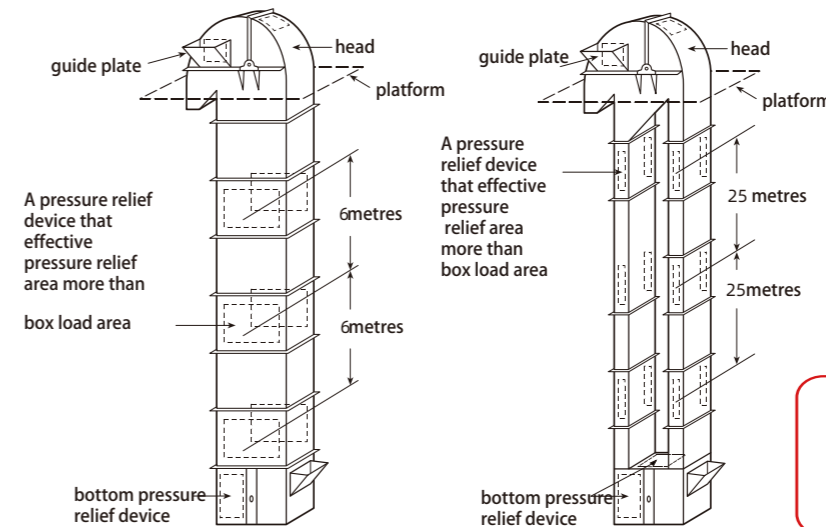
Equipment manufacturing

Dust remover, cyclone separator, flash dryer, pulverizer, bucket elevator and bucket bin



Bucket Elevator

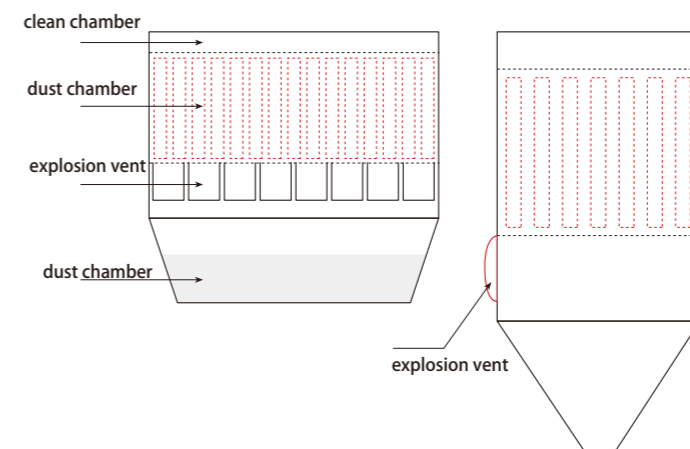
In the chemical industry, belt conveyor and chain conveyor are widely used for material transportation. Many materials are prone to dust, resulting in a large amount of dust in the confined space. The existence of potential ignition sources such as conveyor parts failure makes the potential risk of explosion. Therefore, the feed chute, discharge chute and conveyor need to be protected by multiple bursting plates.



tips

An explosive pressure relief device shall be installed on the top or side of the head.

It is better to make the side pressure relief direction of the head upward by the guide plate.



Dust Collector

The dust collector can be used to reduce dust emission, prevent dust accumulation around sensitive equipment, and reduce production waste. A large amount of dust in the dust collector also means the potential risk of violent explosion, and causes secondary explosion through the connecting pipe. The explosion damage can be effectively reduced by selecting appropriate combination of explosion vent, flameless relief device and flameproof valve.



Service and Contact



Design consulting Test and inspection Qualification certification consultation Training

Logistics choice Production and processing Project solution Scenario solution